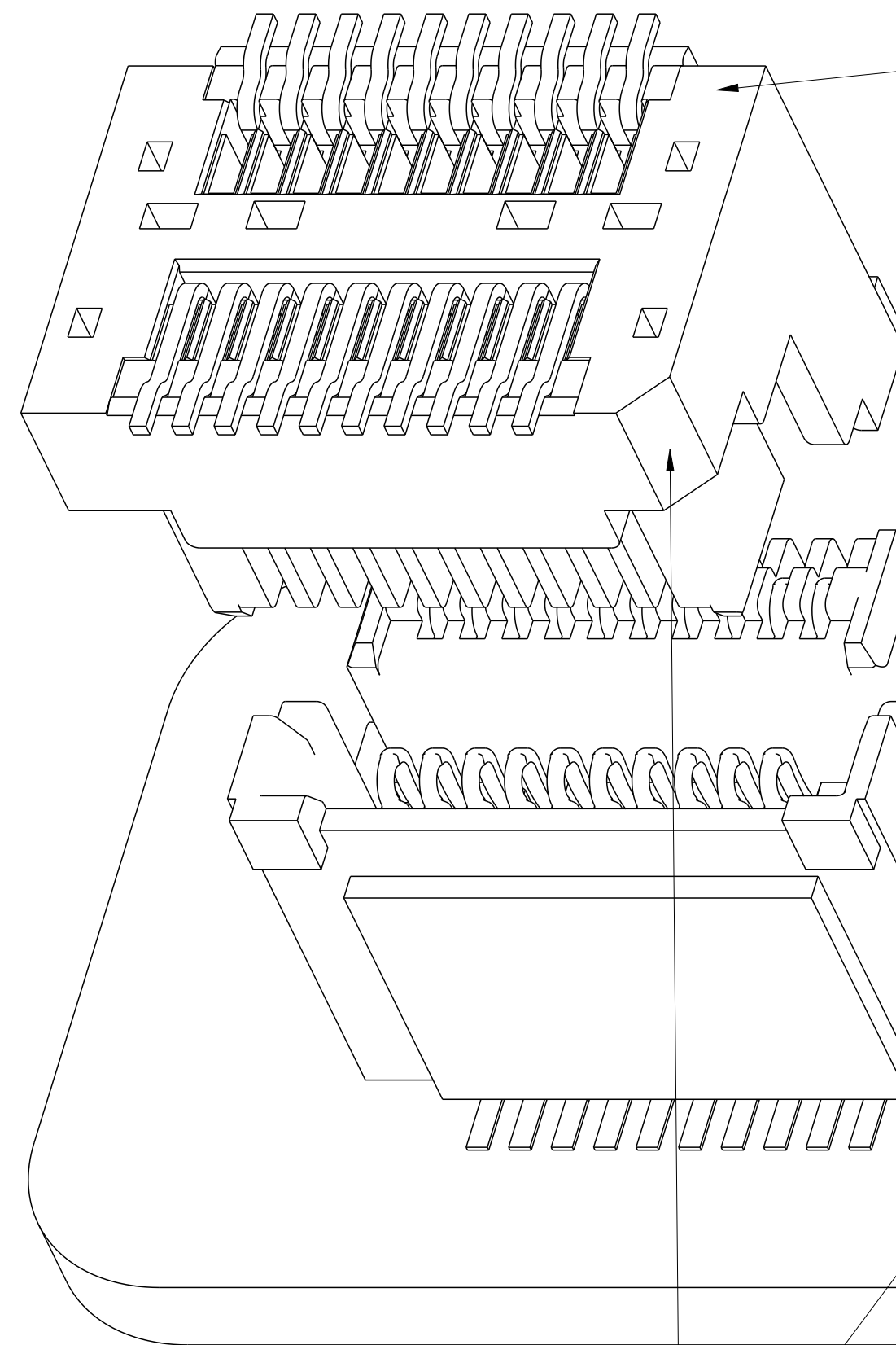
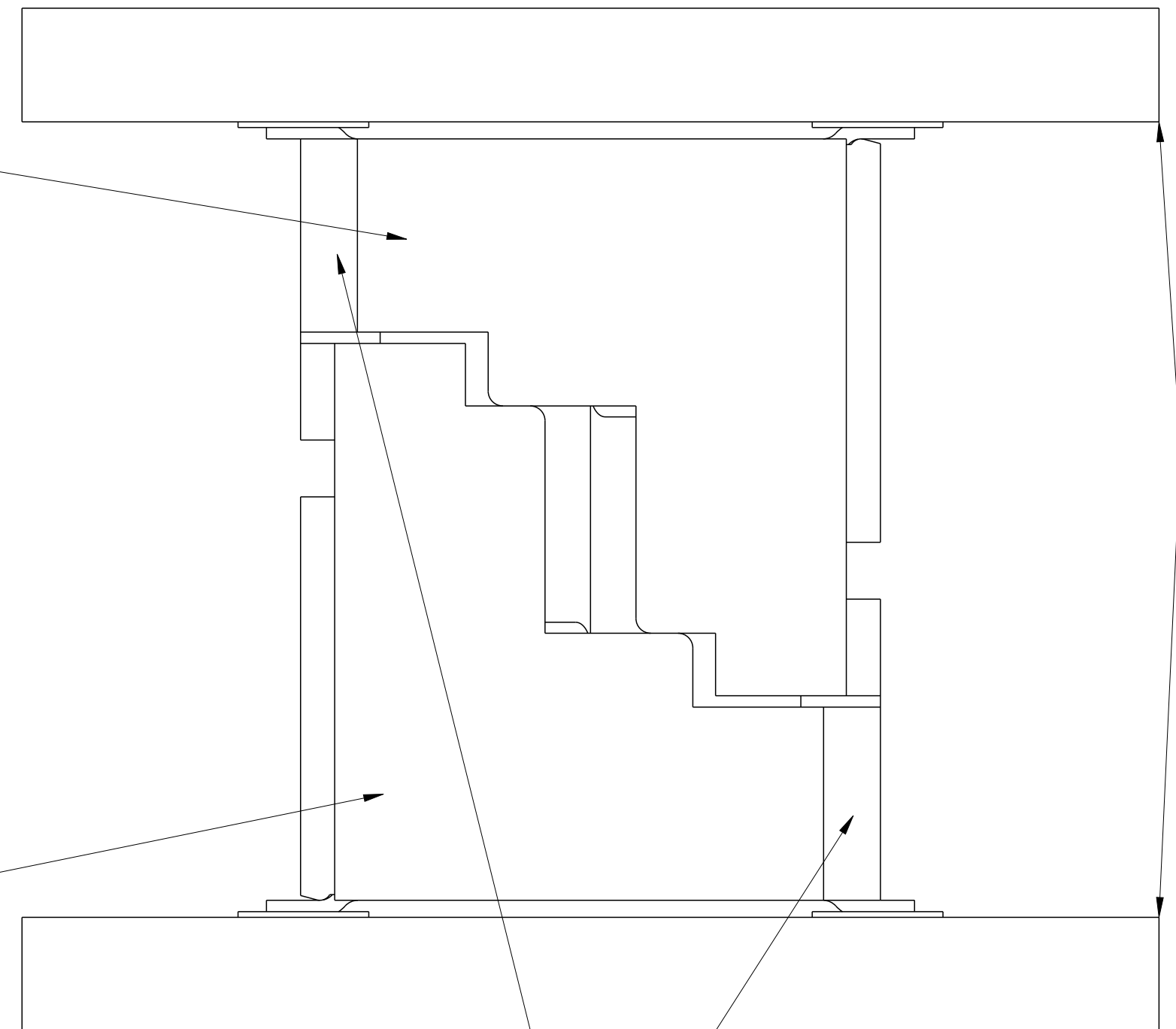




CONNECTOR ORIENTATION
FEATURE
SEE PCB LAYOUT ON PAGE 5

10106814-0XX0X2LF
HERMAPHRODITIC CONNECTOR
ASSEMBLY



PRINTED
CIRCUIT
BOARD

CONNECTOR ORIENTATION
FEATURE
SEE PCB LAYOUT ON PAGE 5

spec ref		---		dr		Stu Stoner		2019/11/22				projection		size		scale	
tolerance std				eng		Yuan-Yuan Bao		2022/04/06						A2		20:1	
ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-				ecn no		ELX-N-44329-1			
				appr		Tim Yao		2022/04/08		product family		MezzoStack		rel level		Released	
surface				linear				title		HERMAPHRODITIC CONNECTOR, SHORT STYLE		dwg no		10106814		rev	
																E	
ASME Y14.5				angular		0° ± 3°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 1 of 8	

1		2		3		4		5		6		7		8												
PRODUCT NUMBER		NUMBER OF POSTIONS	DIM A	DIM B	DISCRETE CONNECTOR HEIGHT NOTE 9	PRACTICAL CONNECTOR HEIGHT NOTE 8	DIM.E OVER ALL HEIGHT (CAP IS INCLUDED)	STATUS	0.5 BTB HERMAPHRODITIC CONNECTOR ASSEMBLY PART NUMBER SCHEME EXAMPLE: 10106814-XX X X X 2 LF																	
A	10106814-021002LF	20	7.5	4.5	3.55	2.00	4.05	RELEASED	NUMBER OF POSITIONS 02 = 20 POS 03 = 30 POS 04 = 40 POS 05 = 50 POS 06 = 60 POS 07 = 70 POS 08 = 80 POS 09 = 90 POS PRACTICAL CONNECTOR HEIGHT NOTE 8 1 = 2.0MM 2 = 2.5MM 3 = 3.0MM 4 = 3.5MM LEAD FREE INDICATOR PACKAGING 2TAPE AND REEL WITH PICK-UP CAP CONTACT PLATING 0GENERAL PLATING PER PERFORMANCE REQUIRED BY PRODUCT SPECIFICATION 130u" GXT(SPECIAL) PEG OPTION 0 = NO PEGS 2 = PEGS																	
	10106814-031002LF	30	10.0	7.0																						
	10106814-041002LF	40	12.5	9.5																						
	10106814-051002LF	50	15.0	12.0																						
	10106814-061002LF	60	17.5	14.5																						
	10106814-071002LF	70	20.0	17.0																						
	10106814-081002LF	80	22.5	19.5																						
	10106814-022002LF	20	7.5	4.5																						
B	10106814-032002LF	30	10.0	7.0	4.05	2.50	4.55	UN-RELEASED																		
	10106814-042002LF	40	12.5	9.5																						
	10106814-052002LF	50	15.0	12.0																						
	10106814-062002LF	60	17.5	14.5																						
	10106814-072002LF	70	20.0	17.0																						
	10106814-023002LF	20	7.5	4.5												4.55	3.00	5.05	RELEASED							
	10106814-033002LF	30	10.0	7.0																						
	10106814-043002LF	40	12.5	9.5																						
10106814-053002LF	50	15.0	12.0																							
10106814-063002LF	60	17.5	14.5																							
10106814-073002LF	70	20.0	17.0																							
10106814-083002LF	80	22.5	19.5																							
10106814-083202LF	80	22.5	19.5																							
C	10106814-093002LF	90	25.0	22.0	5.05	3.50	5.55	RELEASED																		
	10106814-093012LF	90	25.0	22.0																						
	10106814-093202LF	90	25.0	22.0																						
	10106814-024002LF	20	7.5	4.5																						
	10106814-034002LF	30	10.0	7.0																						
	10106814-044002LF	40	12.5	9.5																						
	10106814-054002LF	50	15.0	12.0																						
	10106814-064002LF	60	17.5	14.5																						
10106814-074002LF	70	20.0	17.0																							
Amphenol FCI																										
D																										
E																										
F																										

spec ref

tolerance std

ASME Y14.5

TOLERANCES UNLESS OTHERWISE SPECIFIED

surface

✓

ASME Y14.5

linear

0.X

±0.3

0.XX

±0.15

0.XXX

±0.05

angular

0°

±3°

dr

Stu Stoner

2010/11/22

eng

Yuan-Yuan Bao

2022/04/06

chr

-

-

appr

Tim Yao

2022/04/08

projection

mm

mm

size

A2

scale

10:1

ecn no

ELX-N-44329-1

product family

MezzoStak

rel level

Released

Amphenol FCI

HERMAPHRODITIC CONNECTOR,SHORT STYLE

20-90 POS, 0.5MM CTR, 4-7MM STACK HT

www.fci.com

cat. no.

-

Product - Customer Drw

sheet 3 of 8

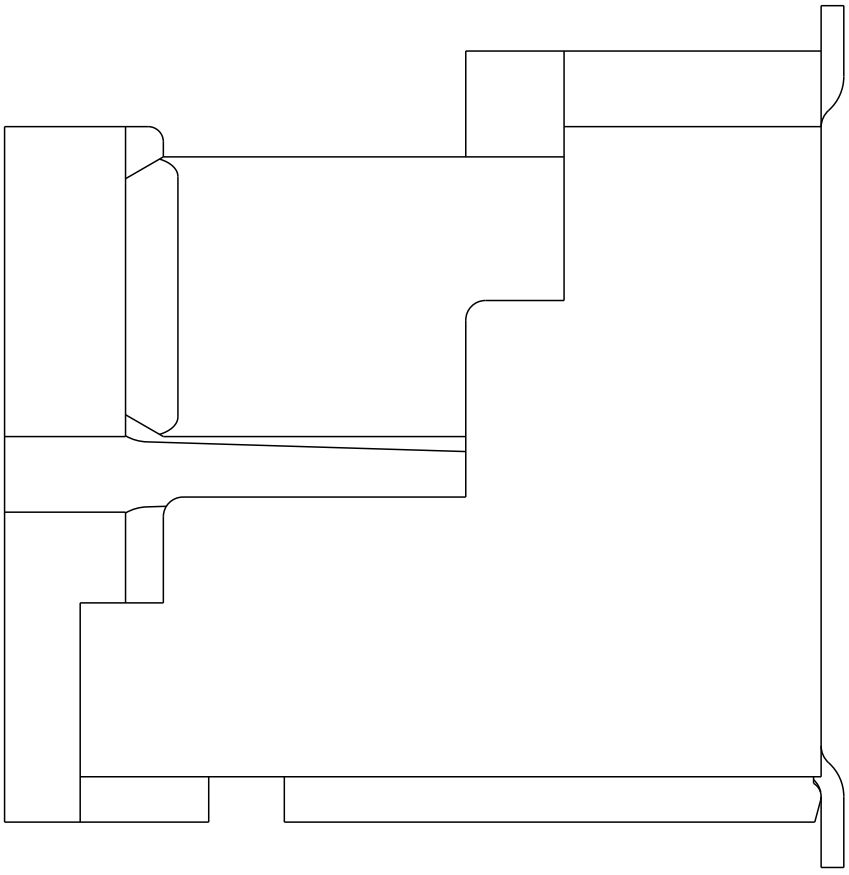
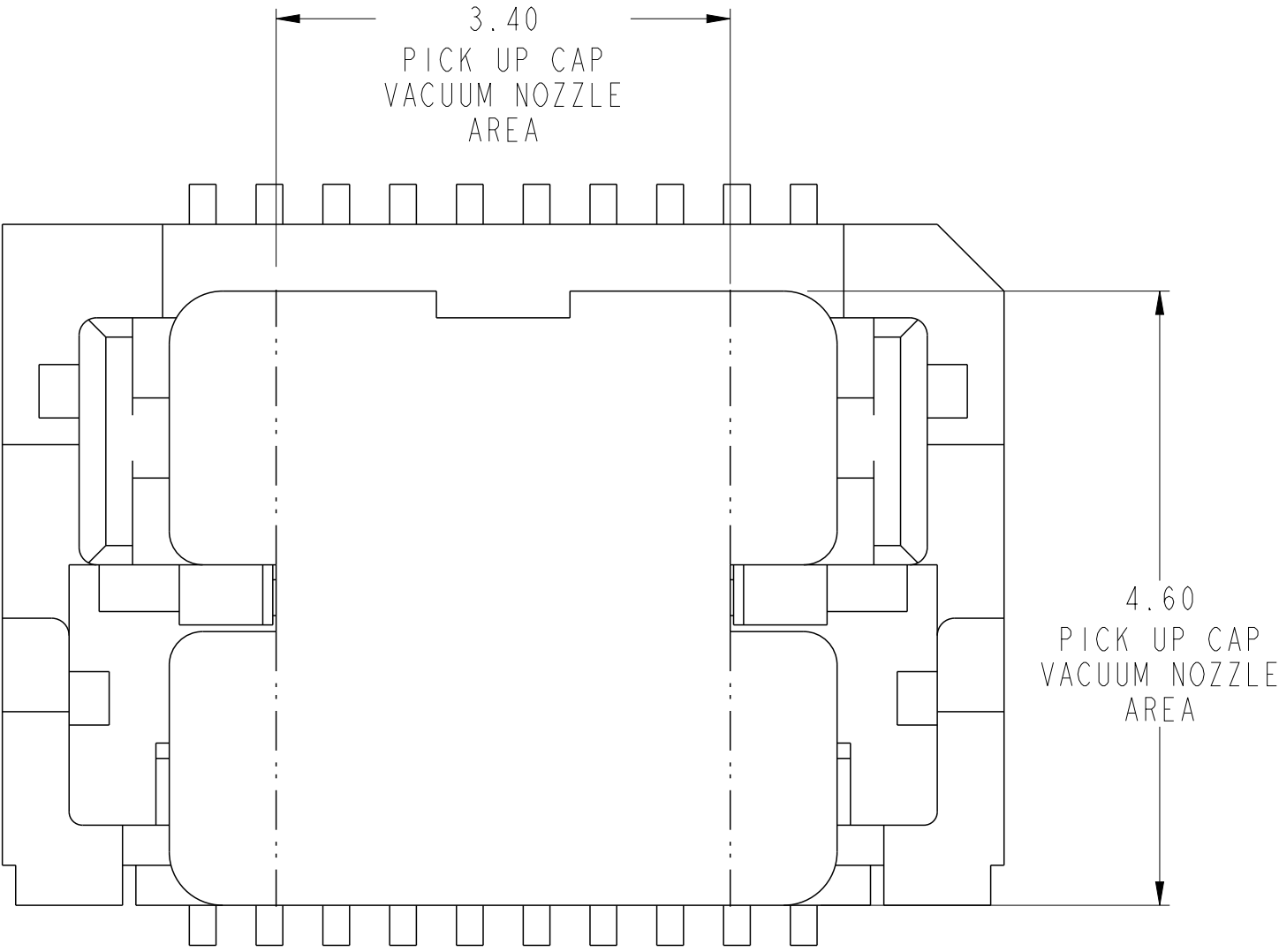
rev

E

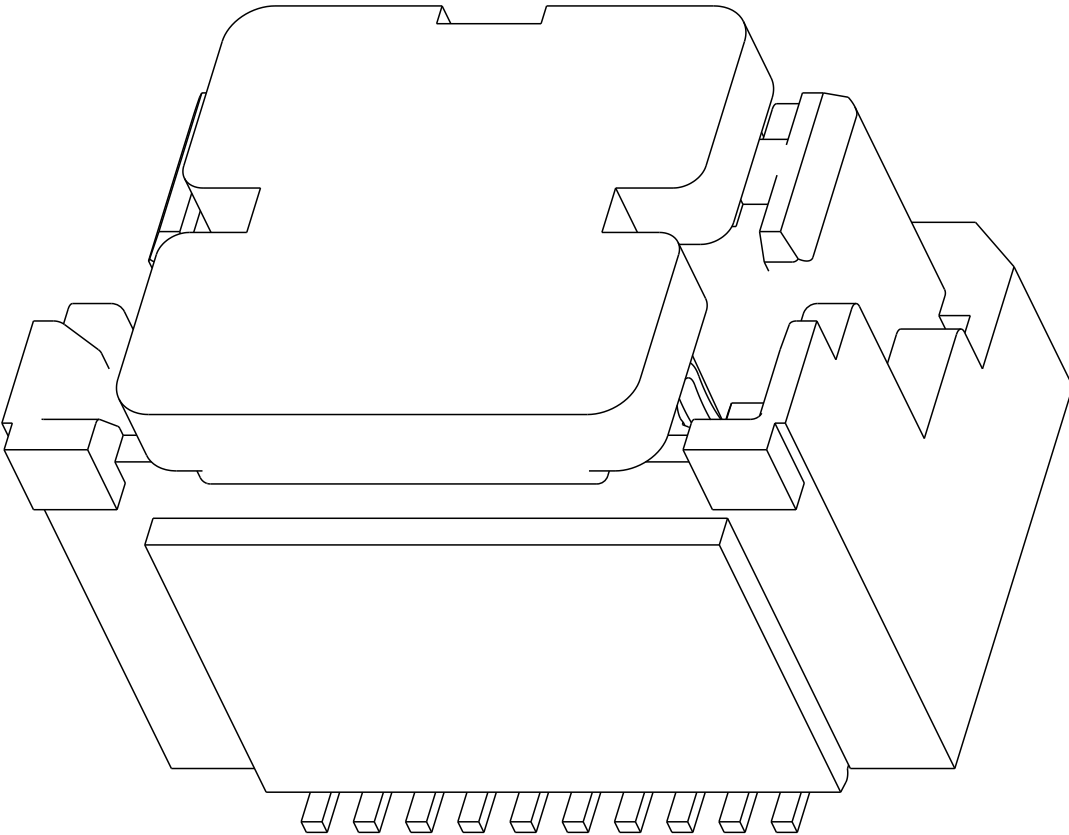
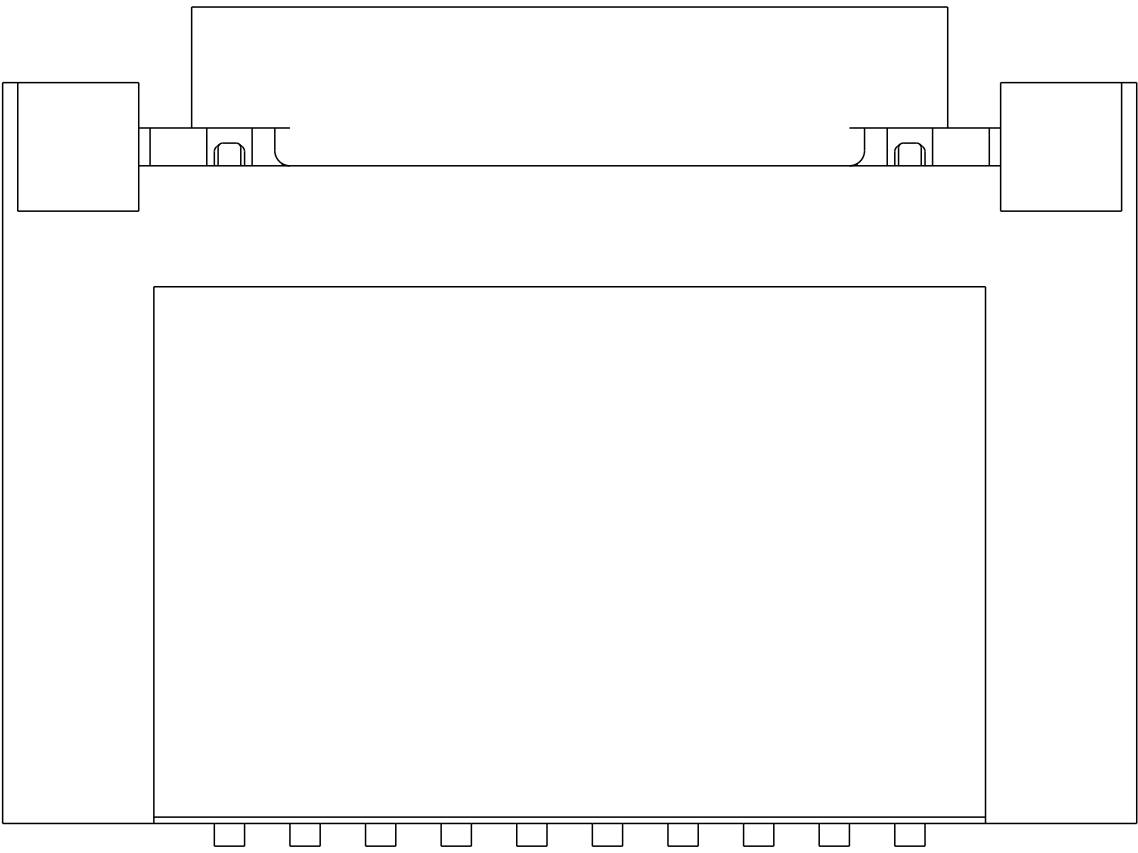
PDS: Rev :E

STATUS:Released

Printed: May 24, 2022



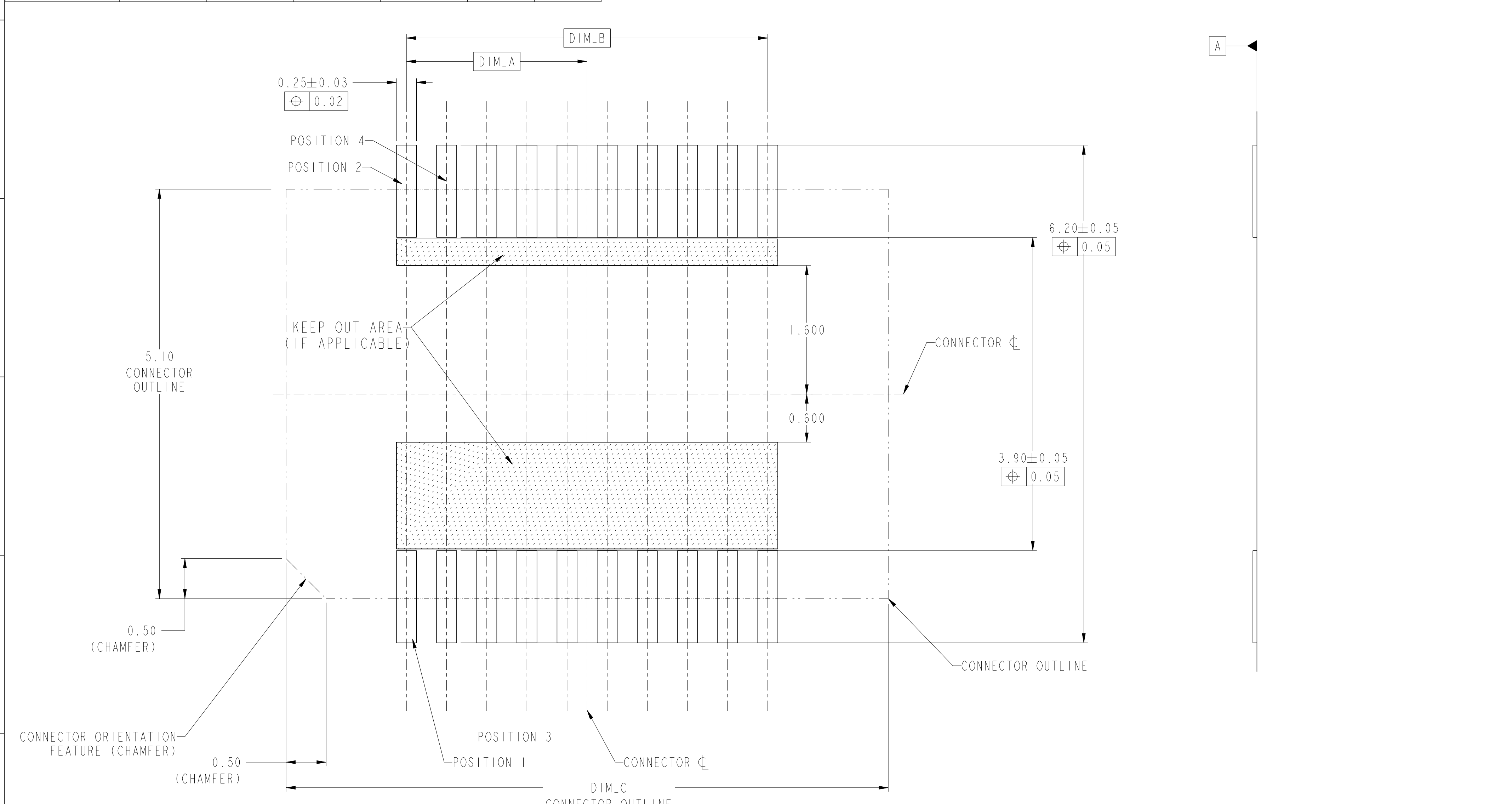
10106814-024002LF SHOWN
WITH STANDARD PICK-UP CAP



PLEASE REFER PAGE 3 TO GET THE DETAILED DIMENSION VALUE OF DIM.E

spec ref				---		dr		Stu Stoner		2010/11/22						size		A2		scale		20:1					
tolerance std				TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Yuan-Yuan Bao		2022/04/06						ecn no		ELX-N-44329-1							
ASME Y14.5								chr		-		-															
								appr		Tim Yao		2022/04/08															
												product family				MezzoStack											
																rel level				Released							

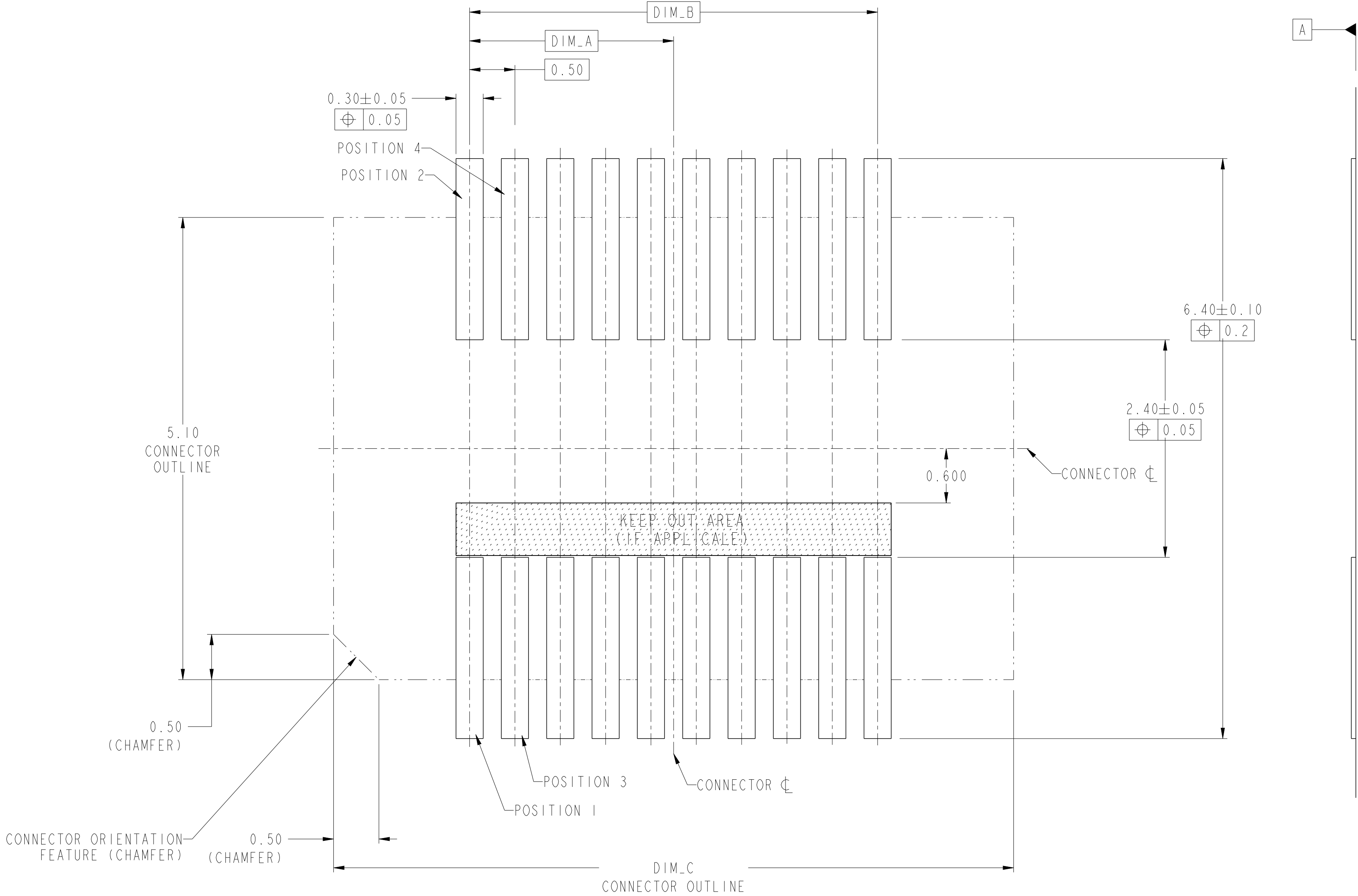
1		2		3		4	5	6	7	8
PRODUCT NUMBER	NUMBER OF POSTIONS	DIM A	DIM B	DIM C	PEGS STATUS	DIM D				
10106814-02X002LF	20	2.25	4.50	7.50	NO	N/A				
10106814-03X002LF	30	3.50	7.00	10.00	NO	N/A				
10106814-04X002LF	40	4.75	9.50	12.50	NO	N/A				
10106814-05X002LF	50	6.00	12.00	15.00	NO	N/A				
10106814-06X002LF	60	7.25	14.50	17.50	NO	N/A				
10106814-07X002LF	70	8.50	17.00	20.00	NO	N/A				
10106814-08X002LF	80	9.75	19.50	22.50	NO	N/A				
10106814-09X0X2LF	90	11.00	22.00	25.00	NO	N/A				
10106814-08X202LF	80	9.75	19.50	22.50	YES	22.00				
10106814-09X202LF	90	11.00	22.00	25.00	YES	24.50				



OPTION 1 - SPACE OPTIMIZED FOOTPRINT
SEE TABLE FOR CONNECTOR LAYOUT DIMENSIONS
SEE NOTE 8 FOR STENCIL CREATION GUIDELINES

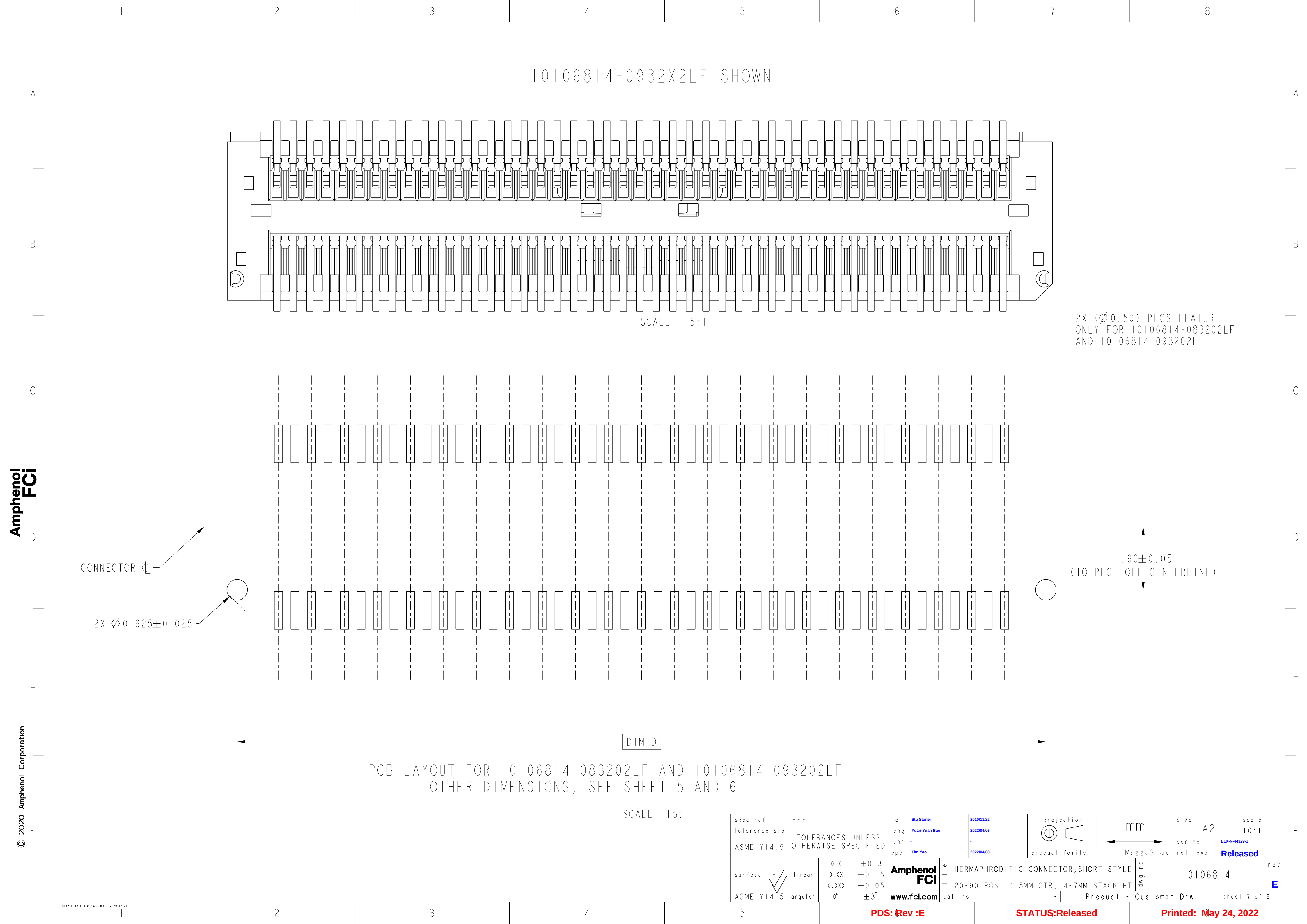
spec ref		---		dr		Stu Stoner		2010/11/22						size		A2		scale		30:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Yuan-Yuan Bao		2022/04/06		product family		MezzoStack		ecn no		ELX-N-44329-1			
ASME Y14.5						chr		-		-				2022/04/08		rel level		Released			
		linear		0.X		±0.3		Amphenol FCI		title		HERMAPHRODITIC CONNECTOR, SHORT STYLE		dwg no		10106814		rev		E	
				0.XX		±0.15															
				0.XXX		±0.05															
ASME Y14.5		angular		0°		±0.5°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 5 of 8					

PRODUCT NUMBER	NUMBER OF POSTIONS	DIM A	DIM B	DIM C	PEGS STATUS	DIM D
I0106814-02X002LF	20	2.25	4.50	7.50	NO	N/A
I0106814-03X002LF	30	3.50	7.00	10.00	NO	N/A
I0106814-04X002LF	40	4.75	9.50	12.50	NO	N/A
I0106814-05X002LF	50	6.00	12.00	15.00	NO	N/A
I0106814-06X002LF	60	7.25	14.50	17.50	NO	N/A
I0106814-07X002LF	70	8.50	17.00	20.00	NO	N/A
I0106814-08X002LF	80	9.75	19.50	22.50	NO	N/A
I0106814-09X0X2LF	90	11.00	22.00	25.00	NO	N/A
I0106814-08X202LF	80	9.75	19.50	22.50	YES	22.00
I0106814-09X202LF	90	11.00	22.00	25.00	YES	24.50



OPTION 2 - FOOTPRINT
SEE TABLE FOR CONNECTOR LAYOUT DIMENSIONS
SEE NOTE 8 FOR STENCIL CREATION GUIDELINES

spec ref	---	dr	Stu Stoner	2010/11/22	projection	mm	size	A2	scale	10:1
tolerance std	ASME Y14.5	eng	Yuan-Yuan Bao	2022/04/06	chr	-	ecn no	ELX-N-44329-1	rel level	Released
surface	✓	appr	Tim Yao	2022/04/08	product family	MezzoStak	rel level	Released	rev	E
ASME Y14.5	linear	0.X	±0.3	0.XX	±0.15	0.XXX	±0.05	angular	0°	±3°
Amphenol FCI		HERMAPHRODITIC CONNECTOR, SHORT STYLE		20-90 POS, 0.5MM CTR, 4-7MM STACK HT		cat. no.		Product - Customer Drw		sheet 6 of 8



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[10106814-093012LF](#) [10106814-093012ALF](#)